

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A screening method comprising:

(a) providing bacterial host cells secreting the heavy chain of an antibody that binds to a desired antigen;

(b) introducing an antibody light chain phage library encoding a plurality of different light chains into the host cells of step (a) to cause secretion of phage libraries presenting two-chain antibodies, each antibody being composed of the heavy chain of step (a) and a light chain;

(c) selecting a phage library that displays antibodies that bind specifically to the desired antigen of step (a);

(d) introducing the phage library selected in step (c) into bacterial host cells secreting a second heavy chain that is the heavy chain of an antibody that binds to a second desired antigen different from the antigen of step (a), to cause secretion of phage libraries presenting two-chain antibodies, each being composed of the second heavy chain and a light chain; and

(e) selecting, from the phage libraries secreted in step (d), a phage library that displays two-chain antibodies that bind specifically to the second desired antigen ~~of step (d)~~.

2. (Currently amended) A screening method comprising:

(a) providing bacterial host cells secreting the heavy chain of an antibody that binds to a desired antigen;

(b) introducing an antibody light chain phage library encoding a plurality of different light chains into the host cells of step (a) to cause secretion of phage libraries presenting two-chain antibodies, each antibody being composed of the heavy chain of step (a) and a light chain;

(c) selecting a phage library that displays antibodies that bind specifically to the desired antigen of step (a);

(d) introducing the phage library selected in step (c) into bacterial host cells secreting a second heavy chain comprising an amino acid sequence different from that of the heavy chain of step (a), to cause secretion of phage libraries displaying two-chain antibodies, each being composed of the second heavy chain and a light chain; and

(e) selecting, from the phage libraries secreted in step (d), a phage library that displays antibodies that bind specifically to the antigen recognized by the second heavy chain.

3. (Previously presented) The method of claim 1, wherein the first and second heavy chains are both Fd.

4. (Previously Presented) The method of claim 1, wherein the host is *E. coli*.

5. (Currently amended) The method of claim 1, wherein steps (b) to (e) are carried out twice or more, with each subsequent round beginning with the phage library selected in step (e) of the prior round.

6. (Currently amended) The method of claim 1, wherein the method further comprises the following steps of:

(f) introducing the phage library selected in step (e) into ~~a host~~ bacterial host cells secreting a third heavy chain that is the heavy chain of an antibody that binds to a third desired antigen different from the antigens of steps (a) and (d), to cause secretion of phage libraries that display two-chain antibodies, each being composed of the third heavy chain and a light chain; and

(g) selecting a phage library that displays two-chain antibodies that bind specifically to the third desired antigen ~~of step (f)~~.

7. (Currently amended) The method of claim 2, wherein the method further comprises the following steps of:

(f) introducing the phage library selected in step (e) into ~~a host~~ bacterial host cells secreting a third heavy chain comprising an amino acid sequence different from those of the

heavy chains of steps (a) and (d), to cause secretion of phage libraries that display two-chain antibodies, each being composed of the third heavy chain and a light chain; and

(g) selecting a phage library that displays antibodies that bind specifically to the antigen recognized by the third heavy chain.

8. (Cancelled) A light chain obtained by the method of claim 1.

9. (Cancelled) An antibody comprising the light chain of claim 8.

10. (Withdrawn) A method for generating antibody light chains, wherein the method comprises the steps of:

- (a) selecting an antibody light chain from the screening method of claim 1;
- (b) generating a vector capable of expressing the selected light chain based on its genetic sequence;
- (c) introducing the vector into a host cell; and
- (d) culturing said host cell.

11. (Cancelled) A host that is infected with a phage capable of presenting a light chain and comprises a vector capable of expressing a heavy chain.

12. (Cancelled) An *E. coli* that is infected with a phage capable of presenting a light chain and comprises a vector capable of expressing a heavy chain.

13. (Previously presented) The method of claim 2, wherein the first and second heavy chains are both Fd.

14. (Previously presented) The method of claim 2, wherein the host is *E. coli*.

15. (Currently amended) The method of claim 2, wherein steps (b) to (e) are carried out twice or more, with each subsequent round beginning with the phage library selected in step (e) of the prior round.

16. (Cancelled) A light chain obtained by the method of claim 2.

17. (Cancelled) An antibody comprising the light chain of claim 16.

18. (Withdrawn) A method for generating antibody light chains, wherein the method comprises the steps of:

- (a) selecting an antibody light chain from the screening method of claim 2;
- (b) generating a vector capable of expressing the selected light chain based on its genetic sequence;
- (c) introducing the vector into a host cell; and
- (d) culturing said host cell.

19. (New) A screening method comprising:

- (a) providing eukaryotic host cells secreting the heavy chain of an antibody that binds to a desired antigen;
- (b) introducing an antibody light chain expression vector library encoding a plurality of different light chains into the host cells of step (a) to cause expression of libraries presenting two-chain antibodies, each antibody being composed of the heavy chain of step (a) and a light chain;
- (c) selecting the host cells of step (b) that display antibodies that bind specifically to the desired antigen of step (a);
- (d) isolating one or more antibody light chain expression vectors from the host cells selected in step (c);
- (e) introducing the antibody light chain expression vector/s isolated in step (d) into eukaryotic host cells secreting a second heavy chain that is the heavy chain of an antibody that binds to a second desired antigen different from the antigen of step (a), to cause expression of

libraries presenting two-chain antibodies, each being composed of the second heavy chain and a light chain; and

(f) selecting host cells of step (e) that display two-chain antibodies that bind specifically to the second desired antigen.

20. (New) A screening method comprising:

(a) providing eukaryotic host cells secreting the heavy chain of an antibody that binds to a desired antigen;

(b) introducing an antibody light chain expression vector library encoding a plurality of different light chains into the host cells of step (a) to cause expression of libraries presenting two-chain antibodies, each antibody being composed of the heavy chain of step (a) and a light chain;

(c) selecting host cells of step (b) that display antibodies that bind specifically to the desired antigen of step (a);

(d) isolating one or more antibody light chain expression vectors from the host cells selected in step (c);

(e) introducing the antibody light chain expression vector/s isolated in step (d) into eukaryotic host cells secreting a second heavy chain that is the heavy chain of an antibody that binds to a second desired antigen different from the antigen of step (a), to cause expression of libraries presenting two-chain antibodies, each being composed of the second heavy chain and a light chain; and

(f) selecting host cells of step (e) that display two-chain antibodies that bind specifically to the second desired antigen.

21. (New) The method of claim 19, wherein the first and second heavy chains are both Fd.

22. (New) The method of claim 19, wherein the host is a mammalian cell.

23. (New) The method of claim 19, wherein steps (b) to (f) are carried out twice or more, with each subsequent round beginning with antibody light chain expression vectors isolated from the host cells selected in step (f) of the prior round.

24. (New) The method of claim 20, wherein the first and second heavy chains are both Fd.

25. (New) The method of claim 20, wherein the host is a mammalian cell.

26. (New) The method of claim 20, wherein steps (b) to (f) are carried out twice or more, with each subsequent round beginning with antibody light chain expression vectors isolated from the host cells selected in step (f) of the prior round.